

Attorney Docket No.: 3269/8

AMENDMENTS AND LISTING OF THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for authorizing execution of request actions transmitted between clients and servers of a data processing system, the method comprising:
receiving a first message including a set of actions; ~~and a second message including user-requested actions and inputs;~~
simulating execution of the set of actions;
from the simulated execution, and building a list of allowable actions and user-definable inputs to the allowable actions;
receiving a second message including user-requested actions and inputs;
comparing the list of allowable actions and user-definable inputs to the user-requested actions and inputs; and
where the list of allowable actions and user-definable inputs includes the user-requested actions and inputs, authorizing execution of the user requested actions.
2. (Currently Amended) The method as set forth in claim 1, wherein the step of simulating comprises identifying all possible actions and inputs to the possible actions resulting ~~from~~ from an execution of the set of actions at a client.
3. (Original) The method as set forth in claim 1, wherein the step of simulating comprises invoking and triggering each command, field, user-selectable input option and HTTP request within the set of actions.

Attorney Docket No.: 3269/8

4. (Currently Amended) The method as set forth in claim 1, wherein the user-requested actions and inputs ~~includes~~ include actions and inputs provided during a user session performed in response to receipt of the first message at a client.

5. (Original) The method as set forth in claim 1, comprising:
during the step of simulating, detecting an input control requesting entry of a data value and assigning a unique place holder to represent the data value; and
during the step of comparing, matching a pattern of the unique place holder to the input received from the user.

6. (Original) The method as set forth in claim 1, wherein the step of simulating comprises:
detecting an input control requesting selection of one of a plurality of predefined data values; and
iteratively selecting one of the plurality of predefined data values and continuing simulation of the set of actions and building of the list of allowable actions and user-definable inputs with the selected one data value until each of the plurality of predefined data values is selected and listed.

7. (Currently Amended) The method as set forth in claim 1, comprising:
prior to the step of simulating, tracing execution of the set of actions at a client;
and
during the step of simulating, providing results of the tracing in response to the ~~user-selectable~~ user-definable inputs.

8. (Currently Amended) The method as set forth in claim 1, comprising:
prior to the step of simulating:

Attorney Docket No.: 3269/8

identifying actions within the set of actions of the first message;
supplementing the first message with actions for tracing input to the
identified actions; and
transmitting the supplemented first message to a client; and
during the set of simulating, providing results of the tracing as ~~user-selectable~~
user-definable inputs to the identified actions are requested.

9. (Original) The method as set forth in claim 8, wherein the results of the
tracing are included within the second message;

10. (Original) The method as set forth in claim 8, wherein the results of the
tracing are included within the second message.

Claims 11-15 (Cancelled)

16. (Currently Amended) A method for authorizing execution of requested
actions transmitted from a client to a server of a client/server data processing system, the
method performed by a gateway coupled between the client and the server, comprising:

receiving, from the server, a document including a set of actions;
simulating execution of the set of actions;
from the simulated execution, and building a list of allowable actions and
user-definable inputs to the allowable actions;
receiving, from the client, a message including user-requested actions and
inputs;
comparing the list of allowable actions and user-definable inputs to the user-
requested actions and inputs; and

Attorney Docket No.: 3269/8

where the list of allowable actions and user-definable inputs includes the user-requested actions and inputs, transmitting the user-requested actions and inputs to the server for execution.

17. (Original) The method as set forth in claim 16, comprising storing, at the gateway, the list of allowable actions and user-definable inputs.

18. (New) A method for authorizing execution of request actions transmitted between clients and servers of a data processing system, the method comprising:

receiving a first message including programmable logic integrated with a client application;

simulating execution of the programmable logic;

from the simulated execution, building a list of allowable actions associated with the programmable logic and user-definable inputs to the allowable actions;

receiving a second message including user-requested actions and inputs;

comparing the list of allowable actions associated with the programmable logic and user-definable inputs to the user-requested actions and inputs; and

where the list of allowable actions associated with the programmable logic and user-definable inputs includes the user-requested actions and inputs, authorizing execution of the user requested actions.